# SINCOCIN®

## A BIOLOGICALLY DERIVED AGENT FOR SUPPRESSION OF NEMATODES AND ASSOCIATED PATHOGENS

| Ingredients | |
|---|---|
| Active Ingredient: | |
| Plant Extract* | 0.56% |
| Other Ingredient: | 99.44% |
| Total | 100.00% |

*The plant extract is derived from *Quercus falcata, Opuntia lindheimeri, Rhus aromatica, and Rhizophoria mangle* tissues.

**Keep out of reach of children**

## CAUTION

Manufactured by
Agriculture Sciences, Inc.
3227 Garden Brook
Dallas TX 75234

EPA Reg. No. 59174-2
EPA Est. No. 59174-TX-1
1-972-243-8930

Net Contents: _____

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**Sincocin Agricultural/Commercial Use Sublabel.**
**This label contains application rates specific to**
**32 fl. oz., 1 gallon, 5 fl. quart, 2.5, 5, 30, 55, and 275 gallon containers.**

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See Side Panel for First Aid

CHEMIGATION: Refer to supplemental labeling entitled "Attachment" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

Use the product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling entitled AGRICULTURAL USE REQUIREMENTS in the DIRECTIONS FOR USE section of the labeling for information about this standard.

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# SINCOCIN

Sincocin reduces the feeding vigor of plant parasitic nematode species. Sincocin also improves the a plant's ability to withstand a variety of environmental stresses.

SEE ATTACHMENT FOR Directions for use

## PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals**

**CAUTION** Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

## FIRST AID

If on skin:
-Take off contaminated clothing.
-Rinse skin immediately with plenty of water for 15-20 minutes.
-Call a poison control center or doctor for treatment advice.

"For emergency information, call 1-800-274-8930, Monday through Friday, 9 a.m. to 5 p.m. After 5 p.m. (central time) call your poison control center."
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear:

Long-sleeved shirt and long pants  Waterproof gloves  Shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

For Terrestrial use. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

ATTACHMENT

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EPA REG. No 59174-2

# SINCOCIN

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers are allowed to be in the area during application. For any requirements specific to your State or Tribe, consult the State or tribal agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements in this labeling about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
Coveralls
Waterproof gloves
Shoes plus socks.

## Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.
Keep unprotected persons out of treated areas until sprays have dried.

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## USES

Use Sincocin on all food and feed crops, consistent with the use directions and restrictions stated below. Also, use Sincocin for horticultural applications, as noted below.

Sincocin is effective in reducing the rate of infection by nematodes and thereby secondary infections by plant parasitic fungi. When it is known or suspected that plants may have already been infected, the use of a systemic fungicide or nematicide may be necessary, followed by the use of Sincocin to prevent further infection.

## EQUIPMENT AND MIXING

Apply Sincocin via boom, fan jet, hand - carried, or backpack spray equipment. Apply through drip and overhead irrigation systems. Follow all chemigation directions below. Shake well before using. Agitate solutions either during or immediately after dilution. Research has indicated that the use of a wetting agent such as Dispense™ helps to ensure distribution and retention of Sincocin in the root zone. Apply solution within eight hours of mixing. Dilute Sincocin in water as specified in the table below:

| Application Site | Treatment Area | Water (min)* |
|---|---|---|
| **Permanent plants** (food crops, row crops Orchards, Vineyards, Golf course and other recreational turf, ornamental plant) | 5,000 sq. ft. | 0.5 gal |
| | 1 acre | 5 gal |
| | 10 acres | 50 gal |
| **90 to 180 day growth cycle plants** Food and Row Crops, ornamental plants | 5,000 sq. ft. | 0.6 gal |
| | 1 acre | 5 gal |
| | 10 acres | 50 gal |

*The table specifies the minimum amount of water to be used; Dilute Sincocin in a larger volume of water if desired. The amount of water used will vary according to equipment, type of nozzle used, number of nozzles, ground speed' system pressure and calibration. If soil is covered with plant material, mulch, or thatch, use sufficient water to transport it to the soil during application or lightly irrigate after application.

## APPLICATION INSTRUCTIONS

| Application Site | Plant Stage | Rate |
|---|---|---|
| Golf course and other recreational turf, Ornamental Plants Maximum allowed per year: 18 oz. per 1,000 sq. ft. | First Root Flush (Spring) | 3 fl. oz. per 1,000 sq. ft. |
| | 14 D.A.I.T.* | |
| | 28 D.A.I.T.* | |
| | Early Fall | |
| | 14 D.A.I.T.* | |
| | 28 D.A.I.T.* | |
| **Permanent Plants** Food crops, Row Crops, Orchards, Vineyards Maximum allowed per year: 4.5 quarts (144 fl. oz.) per acre. | First Root Flush (Spring) | 1 quart per acre |
| | 30 D.A.I.T.* | |
| | 60 D.A.I.T.* | |
| | 120 D.A.I.T.* | 1.5 quarts per acre |
| **Annual Plants** Food and Row Crops, Ornamental Plants Maximum allowed per year: 4.5 quarts (144 fl. oz.) per acre | At Planting** | 2.5 quarts |
| | 30 D.A.I.T.*** | 1 quart |
| | 60 D.A.I.T.*** | |

*Days After Initial Treatment ** Days After Planting

***Apply the material as a low volume (5-20 gallons/acre) application to the planting holes just prior to or at planting.

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## CHEMIGATION OF SINCOCIN

General Information
Apply this product only through drip (trickle) or sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

## MIXING AND APPLICATION

The following instructions apply to all chemigation methods discussed on this labeling.
Determine the number of acres to be treated by the chemigation system. Prepare a premix by adding the recommended volume of SINCOCIN from the table above and a minimum of one gallon of water for each acre to be treated into a reservoir container.

The use of larger quantities of water to dilute the premix may make calibration of the application easier. Meter the premix into the chemigation system at a rate that will consume the entire premix within the period of chemigation or within 8 hours, whichever is less. Maintain agitation in the reservoir during the period of chemigation to keep material in suspension. Apply the product during the last 1-2 hours of the irrigation cycle and ensure that all the product is delivered to the root zone.

## OBSERVE THE FOLLOWING PRECAUTIONS IF YOUR CHEMIGATION SYSTEM IS CONNECTED TO A PUBLIC WATER SYSTEM

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of a year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction.

As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in the cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

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**STATEMENTS CONCERNING THE OPERATION OF SPRINKLER CHEMIGATION; UTILIZING A PRESSURIZED WATER AND PESTICIDE INJECTION SYSTEM.**

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container only.

**Pesticide Disposal:** Dispose of wastes resulting from the use of this product on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incinerating, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**WARRANTY**

Manufacturer warrants that this product conforms to the original formulation and is fit for use as directed. To the fullest extent allowed by law, neither Manufacturer nor seller shall be liable for any injury, loss or damage direct or indirect arising from the misuse of the product. Agriculture Sciences, Inc. and its various seller' only obligation shall be to replace such quantity of the product that is proven defective before purchase.

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**Household Use Sublabel**

**This label contains application rates specific to 8 fl. oz., 32 fl. oz., 1 gallon, containers.**

# SINCOCIN®

## A BIOLOGICALLY DERIVED AGENT FOR SUPPRESSION OF NEMATODES AND ASSOCIATED PATHOGENS

For Residential Use Only

| Ingredients | |
|---|---|
| Active Ingredient: | |
| Plant Extract* | 0.56% |
| Other Ingredient: | 99.44% |
| Total | 100.00% |

*The plant extract is derived from *Quercus falcata, Opuntia lindheimeri, Rhus aromatica, and Rhizophoria mangle* tissues.

Keep out of reach of children

**CAUTION**

See Side Panel for First Aid

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EPA Est. No. 59174-TX-1
1-972-243-8930

Net Contents: _____

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# SINCOCIN

Sincocin is effective in reducing the rate of infection by nematodes. When it is known or suspected that plants may have already been infected, the use of a systemic fungicide or nematicide may be necessary, followed by the use of Sincocin to prevent further infection.

**See attachment for DIRECTIONS for USE**

## PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals**

**CAUTION** Avoid contact with skin or clothing. wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**FIRST AID**

If on skin:
-Take off contaminated clothing.
-Rinse skin immediately with plenty of water for 15-20 minutes.
-Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-274-8930 for emergency medical information.

"For emergency information, call 1-800-274-8930, Monday through Friday, 9 a.m. to 5 p.m. After 5 p.m. call your poison control center."

## USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

## ENVIRONMENTAL HAZARDS

For Terrestrial use. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

## WARRANTY

Manufacturer warrants that this product conforms to the original formulation and is fit for use as directed. To the fullest extent allowed by law, neither Manufacturer nor seller shall be liable for any injury, loss or damage direct or indirect arising from the misuse of the product. Agriculture Sciences, Inc. and its various seller' only obligation shall be to replace such quantity of the product that is proven defective before purchase.

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Attachment

EPA Reg. No. 59174-2

# SINCOCIN

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Keep children and pets out of the treated area until sprays have dried.

**USES**

Use Sincocin on all food and feed crops, consistent with the use directions and restrictions stated below. Use Sincocin for horticultural applications, as noted below.

Sincocin is effective in reducing the rate of infection by nematodes and thereby secondary infections by plant parasitic fungi. When it is known or suspected that plants have already been infected, the use of a systemic fungicide or nematicide may be necessary, followed by the use of Sincocin to prevent further infection.

## EQUIPMENT AND MIXING

Apply Sincocin via hose-end, hand - carried, or backpack spray equipment. Apply Sincocin through drip and overhead irrigation systems. Follow all chemigation directions below. Shake well before using. Agitate solutions either during or immediately after dilution. Research has indicated that the use of a wetting agent such as Dispense™ helps to ensure distribution and retention of Sincocin in the root zone. Apply solution within eight hours of mixing. Dilute Sincocin in water as specified in the table below:

| Application Site | Treatment Area | Water (min)* |
|---|---|---|
| **Permanent plants** Food crops, Fruit trees, ornamental plant | 5,000 sq. ft. | 0.6 gal |
| | 1 acre | 5 gal |
| **90 to 180 day growth cycle plants** Food and Row Crops, ornamental plants | 5,000 sq. ft. | 0.6 gal |
| | 1 acre | 5 gal |

*The table specifies the minimum amount of water to be used; Dilute Sincocin in a larger volume of water if desired. The amount of water used will vary according to equipment, type of nozzle used, number of nozzles, ground speed' system pressure and calibration. If soil is covered with plant material, mulch, or thatch, use sufficient water to transport it to the soil during application or lightly irrigate after application.

## APPLICATION INSTRUCTIONS

| | First Root Flush(Spring) | 30 D.A.I.T.* | 60 D.A.I.T. | 120 D.A.I.T. |
|---|---|---|---|---|
| **Permanent plants** Food crops, Fruit trees ornamental plants | 3/4 Ounce Per 1,000 Sq. Ft | 3/4 Ounce Per 1,000 Sq. Ft | 3/4 Ounce Per 1,000 Sq. Ft | 1 Ounce Per 1,000 Sq .Ft |
| | At Planting *** | 30 D.A.P.** | 60 D.A.P. | |
| **Annual plants** Food and Row Crops, ornamental plants | 1 3/4 oz. per 1000 sq. ft. | 3/4 Ounce Per 1,000 Sq. Ft | 3/4 Ounce Per 1,000 Sq. Ft | |

* Days After Initial Treatment ** Days After Planting

*** Apply the material as a low volume dilution (3/4 to 1 gallon / 1,000 sq. ft.) application to the planting holes just prior to or at planting.

Maximum amount of Sincocin that is allowed to be applied per year for any application site is 31/3 oz / 1,000 sq. ft.

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**STORAGE AND DISPOSAL**

**Pesticide Storage:** Store in original container only.

**Container Disposal:** **If empty**: Do not reuse this container. Place in trash or offer for recycling if available.

**If partly filled**: Call your local solid waste agency

Manufactured by:
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3227 Garden Brook
Dallas, Texas 75234 USA
972-243-8930
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